

WWW.GOATBROWSERS.COM
GLASGOW, KY.



Natural Land Enhancement Services

Al Dilley • 270.670.9460

VEGETATION MANAGEMENT

- ✖ For many years landowners and managers have tried different solutions to their needs of managing vegetation at a cost effective manner.



METHODS FOR MANAGING AND RECYCLING VEGETATION

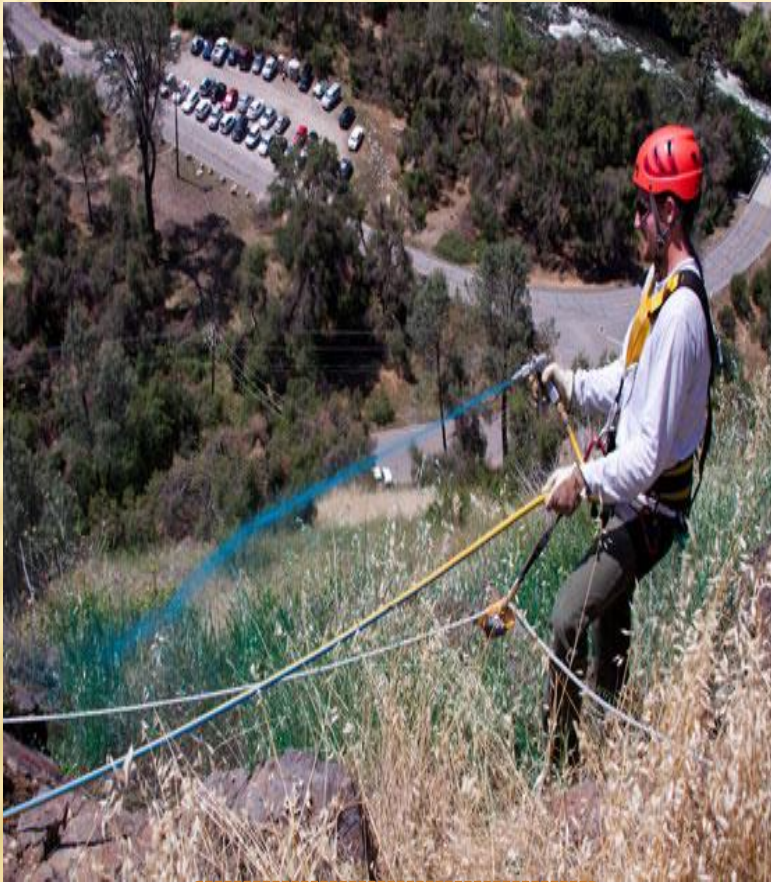


Power tools



Heavy equipment

METHODS FOR MANAGING AND RECYCLING VEGETATION



Herbicide method



Manual labor

HERBICIDES AT WORK – RAINWATER FROM THIS SITE EMPTIES INTO THE COMMUNITY WATER SUPPLY.



Public utility
right of way
maintenance

08/03/2012

ENVIRONMENTAL-FRIENDLY LAND ENHANCEMENT SERVICE



HOLISTIC METHODS FOR ENVIRONMENTAL-FRIENDLY VEGETATION MANAGEMENT



Sheep maintaining vegetation in vineyard.



Land enhancement using goats.

- ✘ Prevention has taken all forms. Utilizing non-conventional methods for land clearing is becoming increasingly popular. In a world striving to **be green**, this is a great service that has little negative impact on the world.
- ✘ Leaves a smaller **carbon footprint** using goats.
- ✘ **Serving:** Municipalities, home owners associations, commercial projects, private land owners and industrial parks
- ✘ More and more, brush and weed control is becoming a major concern with Federal Management Agencies and public utilities across the nation. So what could be more **natural** than placing a herd of hungry goats in a field and letting them browse on the brush and weeds?



HOLISTIC ENHANCEMENT SERVICE

Goat Browsers offer an **environmentally** friendly solution to weed and brush problems . Goats will devour poison ivy, honeysuckle, wild rose, blackberry, kudzu, privet, Chinese wisteria, and much more!



The Greener Weed Eater

Why Goats?

Goats love to eat, and they do so 8-12 hours a day.

Goats are browsers by nature and prefer to nibble on a wide variety of plants.

Goats are quiet and won't disturb your neighbors.

Goats don't burn fossil fuels, and their only emissions are natural fertilizers.

Goats are non-toxic and pose no threat to the water supply

Watching goats eat is an excellent form of meditation



ADVANTAGES



They have a low impact on the environment due to their cloven hooves.

They are natural climbers and love steep slopes and uneven terrain.

They can go where machinery and other modes of brush removal are not permitted to go.

They are cost effective in many situations.

They are walking **fertilizer** factories.



ADVANTAGES

They consume approximate **3% of their body weight daily.**

- ✗ They are also fast and cost effective on hazardous terrain, preventing costly accidents to employees and eliminating the high cost of workers' compensation insurance Unlike heavy machinery, they **do not** damage the land. Instead of clearing land and then hauling the debris away, goats consume foliage on site leaving only fertilizer.
- ✗ Goats are the most efficient browsing machines. If they have a choice they would consume **60% vine and broad leaf, 20% weeds, and 20% grasses.**

✗

✗

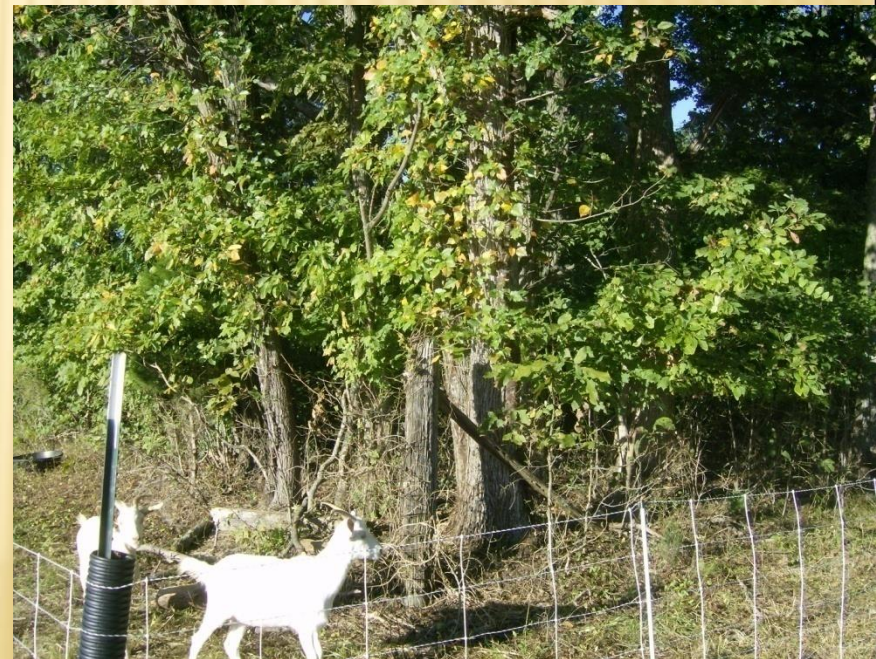
CEMETERY AT WININGER HOMESTEAD FARM LOCATED IN BARREN COUNTY

- ✘ Approximate 1/2 acre – Seven goats browsing first phase of restoration of cemetery.

Before



After Seven Days of Browsing



“BROWSING” GOATS



← If I were only a little taller!

We've found Headstones →



WININGER HOMESTEAD CEMETERY

Before



After

Two Weeks worth of "Browsing"



PRIVATE RESIDENCE IN GLASGOW – 3/4 ACRE- 10 GOATS BROWSING 25 DAYS



RIGHT OF WAY WORK IN REDWOOD CITY, CA.- MAY 2011



- ✘ Some of the 500+ goats doing annual weed abatement along Edgewood Rd. right of way.

GOATS WORKING AT PASATIEMPO GOLF CLUB IN CALIFORNIA IN 2010.



DIFFERENT PROJECTS AND STUDIES USING GOATS

- ✖ 36 acre project at power plant dam in Virginia in 2009



EXAMPLE WHEN **CHEMICALS** SHOULD NOT BE USED. —OCT. 2009

- ✘ Great Neck, N.Y.— Great Neck Park is a **wetland**, **chemicals** are prohibited to combat cat green briars and other vines choking hiking trails.
- ✘ Park supt. secured federal stimulus funds to help fund project.
25 goats worked 6 wks.



20 GOATS ON 2 ACRE TRACK OWNED BY CITY OF TRYON, NORTH CAROLINA



after one week

×

completed in
one month



ASHEVILLE, NORTH CAROLINA GATED COMMUNITY –2009

- ✘ Before & after— Beaver Dam Run, a large gated community in Asheville NC. This project was 5-acres divided into 3 sections.
- ✘ It took 50 goats one month to complete project.



PROJECT STUDY BY UK– 2009



A goat peers over the **kudzu** on Barry Arnett's farm. Arnett has teamed up with the **University of Kentucky** on several experiments to determine goats' effectiveness in the fight against the "*vine that ate the south*, **kudzu**." Photo by Sean Bailey



ENHANCING PROPERTY OWNED BY US ARMY



US ARMY PROPERTY



BLUEGRASS STATION LANDFILL PROJECT BY UK—2009

- ✘ Stories of large corporations and cities using goats to graze **green spaces** are cropping up all over the country. Now **Bluegrass** Station in Fayette County is partnering with the **University of Kentucky College of Agriculture** and area goat producers to **green** up some landfill sites.
- ✘ **Bluegrass** Station maintains more than 50 acres of decades-old, capped landfills at the rural location. Mowing the turf and keeping fences clear of vegetation is a laborious and expensive task.

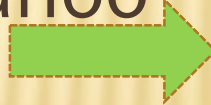


GOOGLE AND YAHOO – 2009

- ✗ "Instead of using noisy mowers that run on gasoline and pollute the air, we've rented some goats from California Grazing to do the job for us (we're not 'kidding')," explains Dan Hoffman on the Google Blog. "A herder brings about 200 goats and they spend roughly a week with us at **Google**, eating the **grass** and fertilizing at the same time. The goats are herded with the help of Jen, a border collie. It costs us about the same as mowing, and goats are a lot cuter to watch than lawn mowers."



Yahoo



SEATTLE AIRPORT

- ✖ At the Seattle airport goats are used to clear vegetation on steep areas around the airport.



MULTIFLORA (WILD) ROSE PROJECT IN WEST VIRGINIA

- ✗ Goats, unlike sheep or cattle, will destroy many brush, saplings, and small trees by defoliation and debarking. Goats are not deterred by thorny vegetation. They defoliate higher up on brush and trees than sheep by standing on their hind legs. Generally goats will defoliate multiflora rose stems to a height of about 5 feet



WESTLAKE HIGH SCHOOL IN CALIFORNIA

A group of 65 goats or "strike team" can eat through one acre of vegetation in about a day, Bunten said.

When the barranca was cleared about 10 years ago, it cost the district \$15,000 to \$20,000, Putnam said. For about a one-week treatment from the goat strike team, the total cost is about \$3,300.

<http://gallery.venturacountystar.com/videoPlayer.cfm?videoID=31>



HOME DEPOT IN WASHINGTON STATE

A recent job clearing a lot near the Home Depot store on South 72nd Street in Tacoma.



CEMETERY OWNED BY CITY OF BOWLING GREEN BEFORE



AFTER 14 DAYS BROWSING USING 15 GOATS ON 1 ACRE CEMETERY



ADDITIONAL INFORMATION

- ✘ Terry Hutchens : Extension Goat Specialist for University of Kentucky (retired)
- ✘
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